

TOUCH THE REFERENCE FRAME

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FEW WORDS ABOUT THE PROJECT

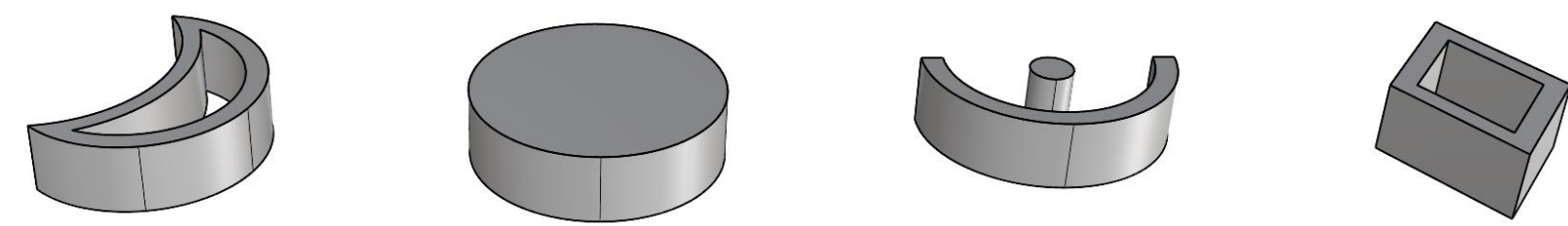
IN THE PROJECT, WE HAVE PROPOSED A NEW APPROACH TO THE DEVELOPMENT OF TACTILE MAPS OF PARKS: INSTEAD OF MAPS THAT SERVE TO NAVIGATE THE PARK, WE PROPOSE MAPS THAT SHOW THE GARDEN DESIGN STYLE, WHICH DETERMINES ITS BEAUTY AND UNIQUENESS. WE HAVE DEVELOPED TACTILE MAPS OF PARKS/GARDENS IN BAROQUE, RENAISSANCE, ENGLISH, ROMANTIC AND JAPANESE STYLES.



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UNIQUE SET OF SYMBOLS

We developed and reviewed a catalogue of tactile signs in collaboration with **people with visual impairments** (PVI): 25 point; 13 linear and 14 area signs with different their haptic feature (height).



TACTILE MAP EDITING RULES

During the research, we developed principles for both the editing of the tactile map and the printing techniques to make it as readable and easy to interpret as possible. One practical rule of thumb is adequate spacing between characters to make it easier to recognise the boundaries between them. The main point is that the spacing is 2.2 mm and 4 mm, depending on the height of the neighbouring signs (higher spacing if the signs have the same height).

NOT ONLY TOUCH

Our solutions are not just a tactile map. It's a complete set of tactile and non-tactile impressions to fully experience a given park style. For each park, we have prepared a sheet (a3 size) containing a tactile map, documentation in braille and enlarged print (yes, our maps are hybrid - they can be used by both people with blindness and vision impairment) describing the park and an audio description to help them understand the map.

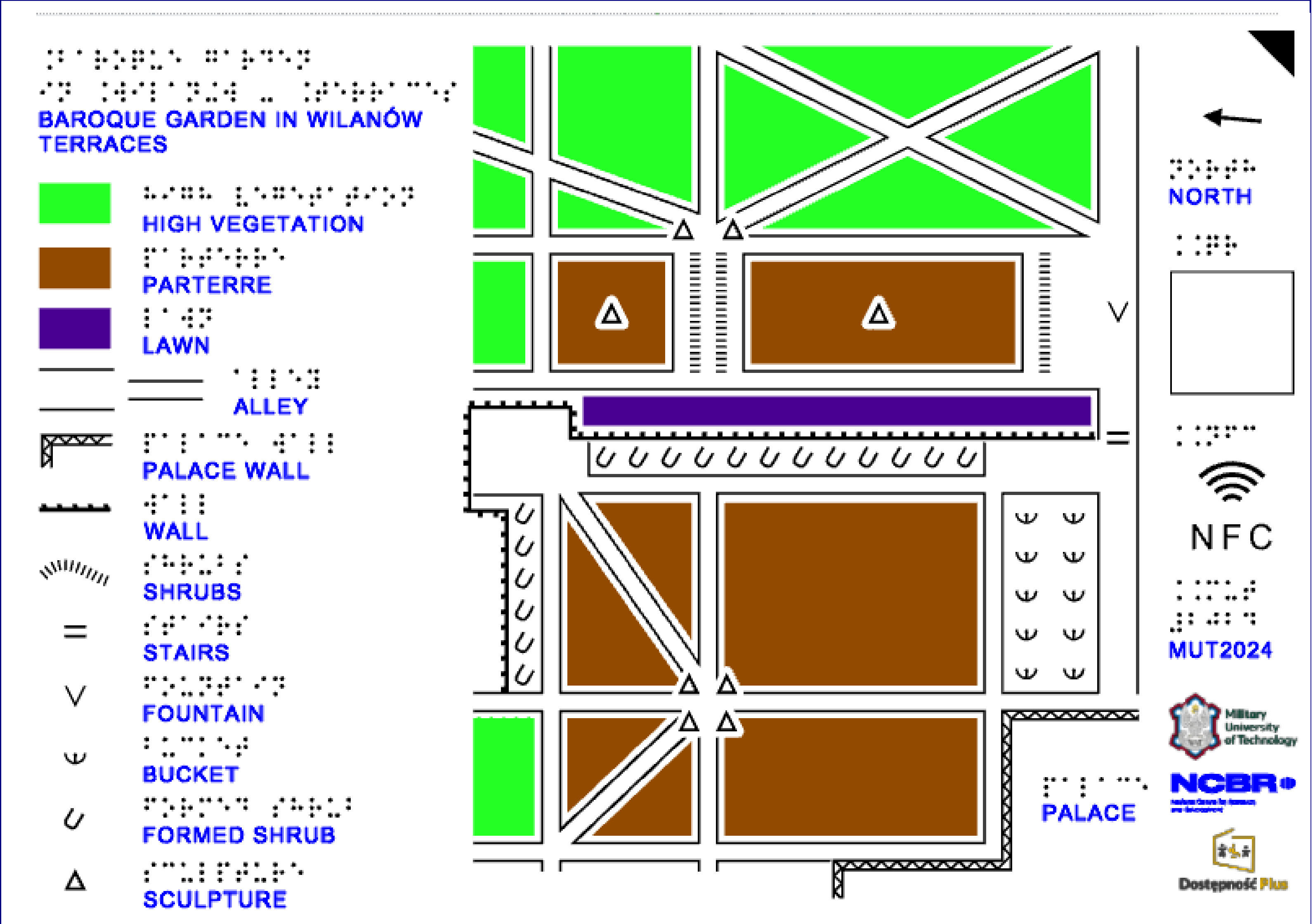
WHAT FOR EUREF ?

We prepared two tactile maps (on the right) presenting selected EUREF issues and products. Due to the need for a high degree of generalization of the data, not everything could be shown. In this way, we wanted to show that **our technology** that primary developed for the wider dissemination of garden art and preventing social exclusion can be applied also to other areas of life and science.

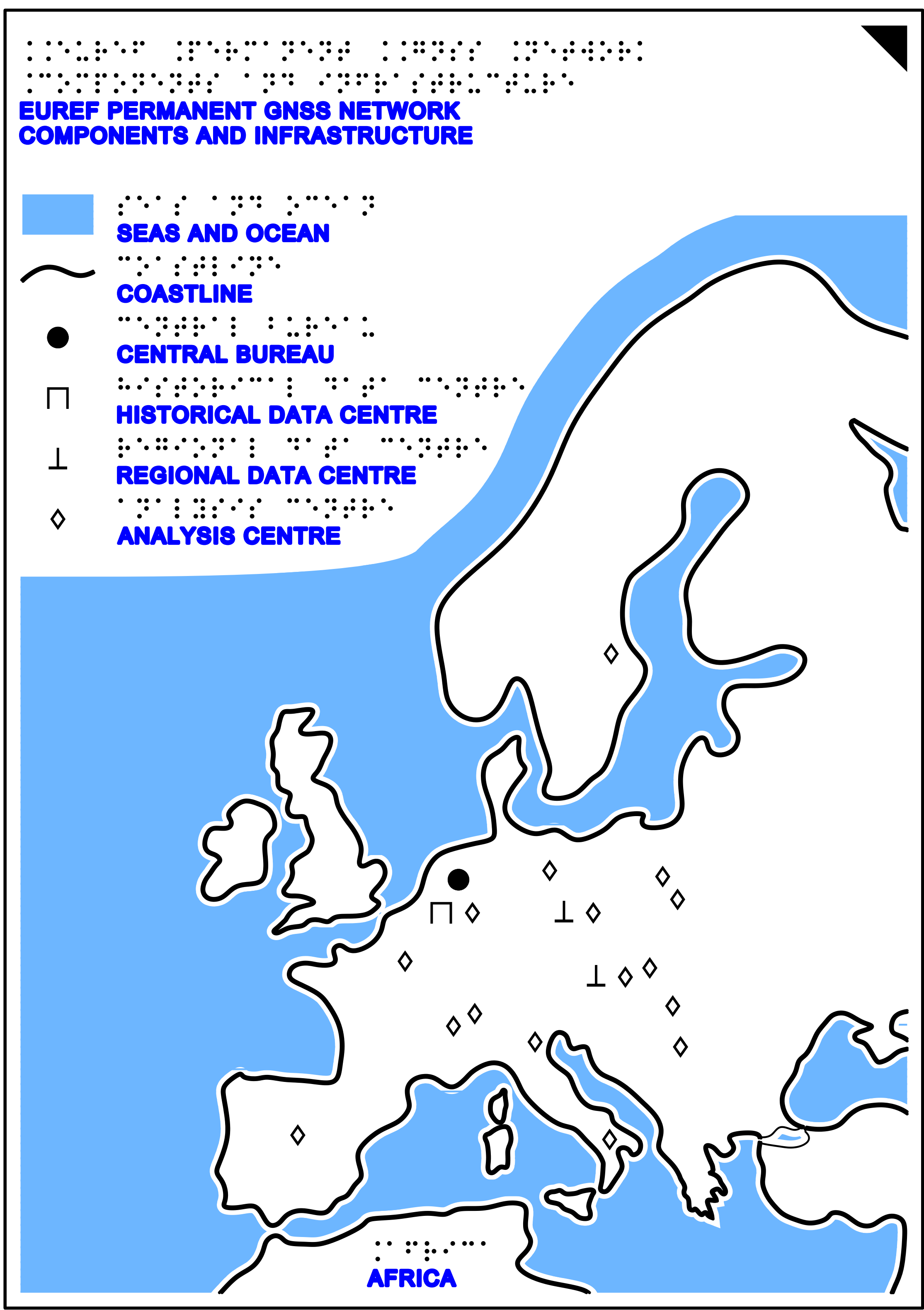
We present two maps. The first tactile map shows selected elements of the **EUREF Permanent GNSS Network infrastructure**. The second is a map of **vertical movements in Europe** that we originally made 'classically' based on the velocities prepared by the EPN Densification Working Group. The image was then generalized and presented as a tactile map.

In both cases, we applied the developed methods as they are. The maps are printed using UV printing technology on synthetic paper.

TACTILE MAP OF A PART OF THE BAROQUE GARDEN IN WILANÓW (NEAR WARSAW)



EPN COMPONENTS AND INFRASTRUKTURE



VERTICAL MOVEMENTS IN EUROPE

